

CLAIMS

1. A water-absorbent resin composition having the absorption capacity at 60 minutes toward 0.90 mass% sodium chloride aqueous solution under the pressure of 1.9 kPa not 5 less than 20 g/g, comprising:

absorbent resin obtainable by polymerizing an unsaturated monomer having an acid group and/or a salt thereof; and

10 complex oxide hydrate containing zinc and silicon, or zinc and aluminum,

wherein the complex oxide hydrate contains zinc as main metal component, and

the mass ratio of the content of zinc and the content of silicon or aluminum is in the range of 50/50, - 99/1.

15 2. A water-absorbent resin composition according to claim 1, wherein the complex oxide hydrate is obtained by co-precipitation method in a solution containing a water-soluble zinc compound and a water-soluble silicon compound or in a solution containing a water-soluble zinc 20 compound and a water-soluble aluminum compound.

3. A water-absorbent resin composition according to claim 1 or claim 2, wherein the separation ratio of the complex oxide hydrate from the water-absorbent resin in a swollen state is not more than 20%.

25 4. A water-absorbent resin composition according to any one of claim 1 - 3, wherein the water-absorbent resin composition is in a granular state and contains particles exceeding 150 μm and not exceeding 850 μm in diameter in a proportion of not less than 90 mass% of all the particles 30 and particles exceeding 300 μm in diameter in a proportion of not less than 60 mass% of all the particles.

5. A water-absorbent resin composition according to any

one of claim 1 - 4, wherein the mass ratio of the content of zinc and the content of silicon or aluminum is in the range of 60/40 - 99/1.

6. A water-absorbent resin composition according to any 5 one of claim 1 - 5, further comprising a plant component.

7. An absorbent material for sanitary product comprising:

the water-absorbent resin composition of any one of claim 1 - 6; and

10 hydrophilic fibers.

8. An absorbent material for sanitary product comprising:

water-absorbent resin obtainable by polymerizing an unsaturated monomer containing an acid group and/or a salt 15 thereof,

hydrophilic fiber; and

complex oxide hydrate containing zinc and silicon, or zinc and aluminum,

20 wherein the complex oxide hydrate contains zinc as main metal component,

the mass ratio of the content of zinc and the content of silicon or aluminum is in the range of 50/50 - 99/1, and

the water-absorbent resin has the absorption capacity at 60 minutes toward 0.90 mass% sodium chloride aqueous 25 solution under the pressure of 1.9 kPa not less than 20 g/g,

9. An absorbent product comprising:

the absorbent material of claim 7 or 8,

topsheet possessing permeability to liquid; and

backsheets possessing impermeability to liquid.

30 10. A method for producing water-absorbent resin composition comprising the steps of:

obtaining a water-absorbent resin having not less than

20 g/g of absorption capacity at 60 minutes toward 0.90 mass% sodium chloride aqueous solution under the pressure of 1.9kPa through a step of polymerizing an unsaturated monomer containing an acid group; and

- 5 mixing the water-absorbent resin and complex oxide hydrate containing zinc and silicon, or zinc and aluminum.